

| | | |
|------------------|----------------|------------------|
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTTT |
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTTT |
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEEEEEEEEEEEEE | DDD | TTT |
| EEEEEEEEEEEEEE | DDD | TTT |
| EEEEEEEEEEEEEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEE | DDD | TTT |
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTT |
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTT |
| EEEEEEEEEEEEEEEE | DDDDDDDDDDDDDD | TTT |

```
MM      MM      CCCCCCCC  GGGGGGGG  EEEEEEEEE  TTTTTTTTTT  LL      IIIIII  NN      NN
MM      MM      CCCCCCCC  GGGGGGGG  EEEEEEEEE  TTTTTTTTTT  LL      IIIIII  NN      NN
MMM     MMM     CC        GG        EE          TT          LL      II      NN      NN
MMM     MMM     CC        GG        EE          TT          LL      II      NN      NN
MM      MM      CC        GG        EE          TT          LL      II      NNNN   NN
MM      MM      CC        GG        EEEEEEEEE  TT          LL      II      NNNN   NN
MM      MM      CC        GG        EEEEEEEEE  TT          LL      II      NN      NN
MM      MM      CC        GG      GGGGGG      EE          TT          LL      II      NNNN   NN
MM      MM      CC        GG      GGGGGG      EE          TT          LL      II      NNNN   NN
MM      MM      CC        GG      GG        GG  EE          TT          LL      II      NN      NN
MM      MM      CC        GG      GG        GG  EE          TT          LL      II      NN      NN
MM      MM      CC        GG      GG        GG  EE          TT          LL      II      NN      NN
MM      MM      CCCCCCCC  GGGGGG      EEEEEEEEE  TT          LLLLLLLLLL  IIIIII  NN      NN
MM      MM      CCCCCCCC  GGGGGG      EEEEEEEEE  TT          LLLLLLLLLL  IIIIII  NN      NN
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```
0001 0 %TITLE 'EDT$MCGETLIN - get a text line'
0002 0 MODULE EDT$MCGETLIN ( ! Get a text line
0003 0 IDENT = 'V04-000' ! File: MCGETLIN.BLI Edit: JBS1004
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Get a text line.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: September 9, 1979
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 19-FEB-1981. This module was created by
0045 1 extracting routine EDT$$GET_TXTLN from module MOVCUR.
0046 1 1-002 - Regularize headers. JBS 11-Mar-1981
0047 1 1-003 - Put edt$$tst_eob in line. STS 22-Sep-1982
0048 1 1-004 - Improve the appearance of the listing. JBS 17-Jun-1983
0049 1 --
0050 1
```


EDTSMCGETLIN
V04-000

EDTSMCGETLIN - get a text line
Declarations

D 9
16-Sep-1984 01:10:30
14-Sep-1984 12:23:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]MCGETLIN.BLI;1 Page 2
(2)

```
52 0051 1 ZSBTTL 'Declarations'
53 0052 1
54 0053 1 TABLE OF CONTENTS:
55 0054 1
56 0055 1
57 0056 1 REQUIRE 'EDT$SRC:TRAROUNAM';
58 0495 1
59 0496 1 FORWARD ROUTINE
60 0497 1 EDT$$GET_TXTLN : NOVALUE;
61 0498 1
62 0499 1
63 0500 1 INCLUDE FILES:
64 0501 1
65 0502 1
66 0503 1 REQUIRE 'EDT$SRC:EDTREQ';
67 0638 1
68 0639 1
69 0640 1 MACROS:
70 0641 1
71 0642 1 NONE
72 0643 1
73 0644 1 EQUATED SYMBOLS:
74 0645 1
75 0646 1 NONE
76 0647 1
77 0648 1 OWN STORAGE:
78 0649 1
79 0650 1 NONE
80 0651 1
81 0652 1 EXTERNAL REFERENCES:
82 0653 1
83 0654 1 In the routine
```

```

85 0655 1 XSBTTL 'EDTSSGET_TXTLN - get a text line'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDTSSGET_TXTLN          ! Get a text line
88 0658 1 : NOVALUE =
89 0659 1
90 0660 1 ++
91 0661 1 FUNCTIONAL DESCRIPTION:
92 0662 1
93 0663 1     This routine fetches the current line from the work file into the
94 0664 1     current line buffer. The pointer EDTSSA_LN_PTR is updated to
95 0665 1     point to the cursor position and EDTSSA_LN_END and EDTSSG_LN_LEN
96 0666 1     are initialized. A carriage return character is placed after the
97 0667 1     last character in the buffer to facilitate search operations.
98 0668 1
99 0669 1 FORMAL PARAMETERS:
100 0670 1
101 0671 1     NONE
102 0672 1
103 0673 1 IMPLICIT INPUTS:
104 0674 1
105 0675 1     EDTSSA_CUR_BUF
106 0676 1     EDTSST_LN_BUF
107 0677 1     EDTSSA_WK_LN
108 0678 1
109 0679 1 IMPLICIT OUTPUTS:
110 0680 1
111 0681 1     EDTSSG_LN_CHGD
112 0682 1     EDTSSA_LN_PTR
113 0683 1     EDTSSA_LN_END
114 0684 1     EDTSSG_LN_LEN
115 0685 1
116 0686 1 ROUTINE VALUE:
117 0687 1
118 0688 1     NONE
119 0689 1
120 0690 1 SIDE EFFECTS:
121 0691 1
122 0692 1     NONE
123 0693 1
124 0694 1 --
125 0695 1
126 0696 2 BEGIN
127 0697 2
128 0698 2 EXTERNAL ROUTINE
129 0699 2     EDTSSRD_CURLN;
130 0700 2
131 0701 2 EXTERNAL
132 0702 2     EDTSSG_LN_CHGD,          ! Indicates current line has changed.
133 0703 2     EDTSSA_CUR_BUF : REF TBCB_BLOCK, ! Current text buffer
134 0704 2     EDTSST_LN_BUF,          ! Current line buffer.
135 0705 2     EDTSSA_LN_PTR,          ! Current character pointer.
136 0706 2     EDTSSA_LN_END,          ! End of current line pointer.
137 0707 2     EDTSSG_LN_LEN,          ! Length of current line.
138 0708 2     EDTSSZ_EOB_LN,
139 0709 2     EDTSSA_WK_LN : REF LIN_BLOCK; ! Current line pointer.
140 0710 2
141 0711 2 !+
```

EDT\$MCGETLIN
V04-000

EDT\$MCGETLIN - get a text line
EDT\$\$GET_TXTLN - get a text line

F 9
16-Sep-1984 01:10:30
14-Sep-1984 12:23:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]MCGETLIN.BLI;1
Page 4
(3)

```
142 0712 2 ! Make sure the current line is accessible.
143 0713 2 !
144 0714 2 ! EDT$RD_CURLN ();
145 0715 2 !
146 0716 2 ! Check for end of buffer.
147 0717 2 !
148 0718 2 !
149 0719 2 ! IF (.EDT$A_WK_LN EQLA EDT$Z_EOB_LN)
150 0720 2 ! THEN
151 0721 2 !     EDT$G_LN_LEN = 0
152 0722 2 ! ELSE
153 0723 2 !     BEGIN
154 0724 2 ! +
155 0725 2 ! Get the length and move that many characters.
156 0726 2 ! -
157 0727 2 !     EDT$G_LN_LEN = .EDT$A_WK_LN [LIN_LENGTH];
158 0728 2 !     EDT$CPY_MEM (.EDT$G_LN_LEN, EDT$A_WK_LN [LIN_TEXT], EDT$T_LN_BUF);
159 0729 2 !     END;
160 0730 2 !
161 0731 2 ! +
162 0732 2 ! Set up the end of line pointer.
163 0733 2 ! -
164 0734 2 !     EDT$A_LN_END = CHSPTR (EDT$T_LN_BUF, .EDT$G_LN_LEN);
165 0735 2 ! +
166 0736 2 ! Place a CR at the end of the line.
167 0737 2 ! -
168 0738 2 !     CHSWCHAR (ASC_K_CR, .EDT$A_LN_END);
169 0739 2 ! +
170 0740 2 ! Set up the cursor pointer to point to the current character.
171 0741 2 ! -
172 0742 2 !     EDT$A_LN_PTR = CHSPTR (EDT$T_LN_BUF, .EDT$A_CUR_BUF [TBCB_CHAR_POS]);
173 0743 2 ! +
174 0744 2 ! And mark the current line as unchanged.
175 0745 2 ! -
176 0746 2 !     EDT$G_LN_CHGD = 0;
177 0747 1 !     END;
```

! of routine EDT\$\$GET_TXTLN

.TITLE EDT\$MCGETLIN EDT\$MCGETLIN - get a text line
.IDENT \V04-000\

.EXTRN EDT\$RD_CURLN, EDT\$G_LN_CHGD
.EXTRN EDT\$A_CUR_BUF, EDT\$T_LN_BUF
.EXTRN EDT\$A_LN_PTR, EDT\$A_LN_END
.EXTRN EDT\$G_LN_LEN, EDT\$Z_EOB_LN
.EXTRN EDT\$A_WK_LN

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$GET_TXTLN, Save R2,R3,R4,R5,R6,R7,R8 : 0657
MOVAB EDT\$A_LN_END, R8
MOVAB EDT\$T_LN_BUF, R7
MOVAB EDT\$G_LN_LEN, R6
CALLS #0, EDT\$RD_CURLN : 0714
MOVL EDT\$A_WK_LN, R1 : 0719
MOVAB EDT\$Z_EOB_LN, R0
CMPL R1, R0

01FC 00000
58 00000000G 00 9E 00002
57 00000000G 00 9E 00009
56 00000000G 00 9E 00010
00000000G 00 00 00017
51 00000000G 00 00 0001E
50 00000000G 00 9E 00025
50 00000000G 51 D1 0002C

EDTSMCGETLIN
V04-000

EDTSMCGETLIN - get a text line
EDTSSGET_TXTLN - get a text line

6 9
16-Sep-1984 01:10:30
14-Sep-1984 12:23:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]MCGETLIN.BLI;1 Page 5 (3)

| | | | | | | | | | |
|--------------|----|----|----|----|-------|--------|-------------------------------------|------|--|
| | | | 04 | 12 | 0002F | BNEQ | 1\$ | | |
| | | | 66 | D4 | 00031 | CLRL | EDTSSG_LN_LEN | 0721 | |
| | | | 08 | 11 | 00033 | BRB | 2\$ | | |
| | | 66 | 61 | 9A | 00035 | MOVZBL | (R1), EDTSSG_LN_LEN | 0727 | |
| 67 | 07 | A1 | 66 | 28 | 00038 | MOVCL | EDTSSG_LN_LEN, 7(R1), EDTSST_LN_BUF | 0728 | |
| | | 50 | 67 | 9E | 0003D | MOVAB | EDTSSST_LN_BUF, R0 | 0734 | |
| 68 | | 50 | 66 | C1 | 00040 | ADDL3 | EDTSSG_LN_LEN, R0, EDTSSA_LN_END | | |
| | | 50 | 68 | D0 | 00044 | MOVL | EDTSSA_LN_END, R0 | 0738 | |
| | | 60 | 0D | 90 | 00047 | MOVB | #13, (R0) | | |
| | | 50 | 00 | D0 | 0004A | MOVL | EDTSSA_CUR_BUF, R0 | 0742 | |
| | | 51 | 67 | 9E | 00051 | MOVAB | EDTSSST_LN_BUF, R1 | | |
| | | 52 | A0 | 3C | 00054 | MOVZWL | 12(R0), R2 | | |
| 00000000G 00 | | 51 | 52 | C1 | 00058 | ADDL3 | R2, R1, EDTSSA_LN_PTR | | |
| | | | 00 | D4 | 00060 | CLRL | EDTSSG_LN_CHGD | 0746 | |
| | | | 04 | 00 | 00066 | RET | | 0747 | |

: Routine Size: 103 bytes, Routine Base: _EDTSCODE + 0000

: 178 0748 1
: 179 0749 1 !<BLF/PAGE>

EDT\$MCGETLIN
V04-000

EDT\$MCGETLIN - get a text line
EDT\$\$GET_TXTLN - get a text line

H 9
16-Sep-1984 01:10:30
14-Sep-1984 12:23:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]MCGETLIN.BLI;1 (4)

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: 181 0750 1 END
: 182 0751 1
: 183 0752 0 ELUDOM

! of module EDT\$MCGETLIN

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|---|
| _EDT\$CODE | 103 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

Library Statistics

| File | ----- Total | Symbols Loaded | ----- Percent | Pages Mapped | Processing Time |
|-------------------------------------|----------------|-------------------|------------------|-----------------|--------------------|
| \$255\$DUA28:[EDT.SRC]EDT.L32;1 | 377 | 33 | 8 | 40 | 00:00.2 |
| -\$255\$DUA28:[EDT.SRC]PSECTS.L32;1 | 2 | 1 | 50 | 7 | 00:00.1 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:MCGETLIN/OBJ=OBJ\$:MCGETLIN MSRC\$:MCGETLIN.BLI/UPDATE=(ENH\$:MCGETLIN)

: Size: 103 code + 0 data bytes
: Run Time: 00:11.0
: Elapsed Time: 00:13.9
: Lines/CPU Min: 4116
: Lexemes/CPU-Min: 11709
: Memory Used: 69 pages
: Compilation Complete

0137 AH-BT13A-SE
VAX/VMS V4.0

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